



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Mark Auch et al.

Art Unit : Unknown

Serial No. : 09/989,362

Examiner : Unknown

Filed : November 20, 2001

Title : ENCAPSULATION OF ELECTRONIC DEVICES

Commissioner for Patents
Washington, D.C. 20231

REVOCATION AND NEW POWER OF ATTORNEY

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TC 1700

Under 37 CFR §3.73(b), Osram Opto Semiconductor GmbH and Institute of Materials Research and Engineering, corporations organized under the laws of Germany and Singapore, certify that they are the assignee of 100% of the right, title and interest in the patent application identified above by virtue of:

☒ Assignments from the inventors of the patent application identified below.

1. From Ewald Guenther to Osram Opto Semiconductors GMBH recorded in the Patent and Trademark Office at Reel 013318, Frame 0498 on December 30, 2002. A copy of the Assignment is attached.

2. From Mark Auch, Shuang Fang Lim and Soo Jin Chua to Institute of Materials Research and Engineering recorded in the Patent and Trademark Office at Reel 013318, Frame 0509 on December 30, 2002. A copy of the Assignment is attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit April 29, 2003

Signature Carlos V. Viana

Typed or Printed Name of Person Signing Certificate Carlos V. Viana

Applicant : Mark Auch et al.
Serial No. : 09/989,362
Filed : November 20, 2001
Page : 2

Attorney's Docket No.: 12406-060US1 / P2002,0611
US E

The undersigned, acting on behalf of the assignee, hereby revokes all powers of attorney previously granted in the application and appoints the following attorneys and/or agents:

Roger S. Borovoy, Reg. No. 20,193
William J. Egan, III, Reg. No. 28,411
Mark D. Kirkland, Reg. No. 40,048
Timothy A. Porter, Reg. No. 41,258
Katherine Kelly Lutton, Reg. No. 46,333
Jack L. Slobodin, Reg. No. 29,110
Fredrik Mollborn, Reg. No. 48,587
Tamara Frazier, Reg. No. 51,699
Katherine Ford Horvath, Reg. No. 45,668


Hans R. Troesch, Reg. No. 36,950
David J. Gorta, Reg. No. 34,609
Reginald J. Suyat, Reg. No. 28,172
John Horvath, Reg. No. 47,663
Tim H. Pham, Reg. No. 48,589
Elissa Y. Wang, Reg. No. 48,668
Nong-Qiang Fan, Reg. No. 50,518
Paramita Ghosh, Reg. No. 42,806
Kelvin M. Vivian, Reg. No. P-53,727

with full power of substitution and revocation, to prosecute the application and to transact all business in the United States Patent and Trademark Office connected therewith.

All correspondence regarding the application should be sent to:

CUSTOMER Number : 26181

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Signature:  Date 11/4/03
Typed Name: Mark Auch
Title: CEO
Assignee: Osram Opto Semiconductors GmbH

Signature: _____ Date _____
Typed Name: _____
Title: _____
Assignee: Institute of Materials Research and Engineering

Applicant : Mark Auch et al.
Serial No. : 09/989,362
Filed : November 20, 2001
Page : 2

Attorney's Docket No.: 12406-060US1 / P2002,0611
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Paramita Ghosh, Reg. No. 42,806
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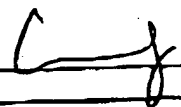
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Signature: _____ Date: _____
Typed Name: _____
Title: _____
Assignee: Osram Opto Semiconductors GmbH

Dr Wong Chia Woan
Research Admin Manager
Signature: IMRE  Date: 17/4/03
Typed Name: _____
Title: _____
Assignee: Institute of Materials Research and Engineering

2001P20711US



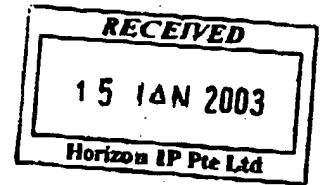
UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

DECEMBER 30, 2002

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SINGAPORE 349249
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/30/2002

REEL/FRAME: 013318/0509
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

AUCH, MARK

DOC DATE: 10/08/2002

ASSIGNOR:

LIM, SHUANG FANG

DOC DATE: 08/29/2002

ASSIGNOR:

CHUA, SOO JIN

DOC DATE: 10/08/2002

ASSIGNEE:

INSTITUTE OF MATERIALS RESEARCH
AND ENGINEERING
3 RESEARCH LINK, SINGAPORE 117602
SINGAPORE, SINGAPORE 117602

SERIAL NUMBER: 09989362
PATENT NUMBER:

FILING DATE: 11/20/2001
ISSUE DATE:

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013318/0509 PAGE 2

PAULA MCCRAY, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

Electronic Version 1.1.0

12/30/2002
800004673

Stylesheet Version: 1.1.0

PATENT ASSIGNMENT**SUBMISSION TYPE:** NEW ASSIGNMENT**NATURE OF CONVEYANCE:** ASSIGNMENT OF ASSIGNOR'S INTEREST**CONVEYING PARTY DATA****Name:** Auch, Mark**Execution Date:** 10/08/2002**Name:** Lim, Shuang Fang**Execution Date:** 08/29/2002**Name:** Chua, Soo Jin**Execution Date:** 10/08/2002**RECEIVING PARTY DATA****Name:** Institute of Materials Research and Engineering**Street Address:** 3 Research Link, Singapore 117602**Internal Address:****City:** Singapore**State:****Country:** SINGAPORE**Postal Code:** 117602**PROPERTY NUMBERS****Application Number:** 09989362**Number of Properties:** 1

The USPTO, Office of Public Records, will send correspondence via facsimile to **FAX NUMBER:** +65 6746 8263

CORRESPONDENCE DATA:*Correspondence will be sent via US Mail when a fax number**has not been provided or the fax attempt is unsuccessful.*

When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO.

CUSTOMER NUMBER: 031366**NAME OF PERSON SIGNING:** Dexter Chin**RECEIVED**
JUN 03 2003
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02-APR-2003 15:39

FA FPPING

+49 89 50032999

S.09/11

DATE SIGNED:

12/30/2002

Total Attachments: 2

ASSIGNMENT

For good and valuable consideration, we, Mark AUCH, residing at 102 Nanyang Crescent Blk K, #03-02 Singapore 637820, a citizen of Germany; Shuang Fang LIM, residing at Blk 4 Queen's Road, #08-115 Singapore 260004 and Soo Jin CHUA, residing at 37 Cheng Soon Crescent Singapore 599909, a citizen of Malaysia;

Hereby sell, assign, and transfer to Institute of Materials Research and Engineering, a corporation of Singapore, having its principal place of business at 3 Research Link, Singapore 117602;

hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent,

Serial No.: 09/989,362 Filed: Nov. 20, 2001

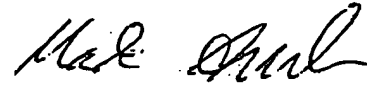

and entitled: **ENCAPSULATION OF ELECTRONIC DEVICES**

and in and to said application and all divisional, continuing substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;


Agree that Assignee may apply for and receive Letters Patent for said improvements in its own name, and that, when requested, without charge to but at the expense of said Assignee, their successors, assigns, and legal representatives to carry out in good faith the intent and purpose of this agreement, the undersigned will execute all divisional, continuing substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

2

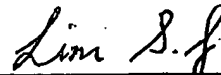
Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 8.10.2002Mark AUCHWitness 1: RAMADAS SENTHIL KUMAR 

(print name)

Witness 2: KE LIN 

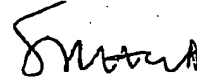
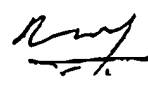
(print name)

Date: 29th August 2002Shuang Fang LIMWitness 1: ROBERT RIEHN 

(print name)

Witness 2: YVONNE DENG 

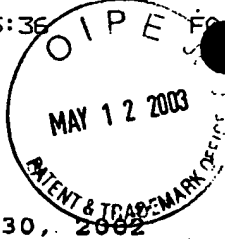
(print name)

Date: 8.10.02Soo Jin CHUAWitness 1: RAMADAS SENTHIL KUMAR 

(print name)

Witness 2: KE LIN 

(print name)



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RECORDATION DATE: 12/30/2002

REEL/FRAME: 013318/0498
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS)

ASSIGNOR:

GUENTHER, EWALD

DOC DATE: 06/21/2002

ASSIGNEE:

OSRAM OPTO SEMICONDUCTORS GMBH
WERNERWERKSTRASSE 2, D-93049,
REGENSBURG, GERMANY
REGENSBURG, FED REP GERMANY 93049

SERIAL NUMBER: 09989362
PATENT NUMBER:FILING DATE: 11/20/2001
ISSUE DATE:

STEVEN POST, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

Electronic Version 1.1.0

12/30/2002
800004672

Stylesheet Version: 1.1.0

PATENT ASSIGNMENT**SUBMISSION TYPE:** NEW ASSIGNMENT**NATURE OF CONVEYANCE:** ASSIGNMENT OF ASSIGNOR'S INTEREST**CONVEYING PARTY DATA****Name:** Guenther, Ewald**Execution Date:** 06/21/2002**RECEIVING PARTY DATA****Name:** Osram Opto Semiconductors GmbH**Street Address:** Wernerwerkstrasse 2, D-93049, Regensburg, Germany**Internal Address:****City:** Regensburg**State:****Country:** GERMANY**Postal Code:** 93049**PROPERTY NUMBERS****Application Number:** 09989362**Number of Properties:** 1

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CUSTOMER NUMBER: 031366**NAME OF PERSON SIGNING:** Dexter Chin**DATE SIGNED:** 12/30/2002**Total Attachments:** 2**RECEIVED**
JUN 03 2003
TC 1700

ASSIGNMENT

For good and valuable consideration, I, Ewald GUENTHER, residing at 21D Mount Sinai Rise Singapore 276938, a citizen of Germany;

Hereby sell, assign, and transfer to Osram Opto Semiconductors GmbH, a corporation of Germany, having its principal place of business at Wernerwerkstrasse 2, D-93049 Regensburg, Germany;

hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent,

Serial No.: 09/989,362

Filed: Nov. 20, 2001

and entitled: **ENCAPSULATION OF ELECTRONIC DEVICES**

and in and to said application and all divisional, continuing substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that Assignee may apply for and receive Letters Patent for said improvements in its own name, and that, when requested, without charge to but at the expense of said Assignee, their successors, assigns, and legal representatives to carry out in good faith the intent and purpose of this agreement, the undersigned will execute all divisional, continuing substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

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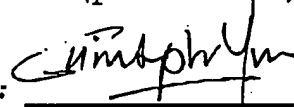
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Date: 21 June 2002


Ewald GUENTHER

Witness 1:  Andrea Wan

(print name)

Witness 2:  George Yuen

(print name)